

REMARKS

Please reconsider this application in view of the following remarks. Applicants thank the Examiner for carefully considering the application.

Disposition of Claims

Claims 1-3, 8, 11-15, 17-19, 22, and 23 are pending in the application. Claims 1, 8, and 12 are independent. The remaining claims depend, directly or indirectly, from claims 1, 8, and 12.

Drawings

Applicants respectfully request that the Examiner indicate in the next action whether the drawings filed on July 25, 2003, as amended in the Response to Office Action filed on March 12, 2007, are accepted.

Rejection(s) under 35 U.S.C. § 103

Claims 1-3, 8, 11-15, 17-19, 22, and 23 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent Pub. No. 2004/0003251 (hereinafter "Narin") in view of U.S. Patent Pub. No. 2001/0027440 (hereinafter "Tanaka"). This rejection is respectfully traversed.

Claims 1, 2, 3, 12-15, 17-19, 22 and 23

Independent claim 1 recites, in part,

receiving a first certificate of a first server by a second server;
storing said first certificate of said first server in a first trusted partner list accessible by said second server;
receiving a second certificate of said second server by said first server; and
storing said second certificate of said second server in a second trusted partner list accessible by said first server,
wherein access by a client to a resource associated with said first server is controlled as a function of said first trusted partner list.

Claim 1 requires, in part, that two servers exchange certificates for storage into their respective trusted partner lists, where access by a client to a resource is controlled as a function of a trusted partner list. Applicants respectfully assert that none of the cited prior art teaches or suggests that aforementioned limitations for at least the following reasons:

Narin is directed to a basic principle of operation requiring a one-way trust relationship between two necessarily different type of entities: a trusted entity (i.e., the identity servers) and a trusting entity (i.e., the DRM servers).

Narin describes four servers: Corporation A Identity Server (1102), Corporation B Identity Server (1104), Corporation A DRM Server (1106), and Corporation B DRM Server (1108). The two identity servers of Narin are responsible for issuing certificates to a client, whereas the two DRM servers are content servers that grant access to a client for content

based on certificates issued by the trusted identity servers. “Typically, company [*i.e.*, corporation] A’s DRM Server (1106) would be set up to trust company A’s identity server (1102), and company B’s DRM server (1104) would be set up to trust company B’s identity server (1108).” *See* Narin, paragraph [0094]. Accordingly, as admitted by the Examiner, Narin is directed to two necessarily different types of servers. *See* Office Action dated February 28, 2008 at page 2. Specifically, an identity server for issuing certificates and a DRM server for granting access for content based on the certificates issued by the identity server.

Narin cannot be modified to teach or suggest two servers that exchange certificates for storage into their respective trusted partner lists, where access is granted as a function of a trusted partner list.

- A. **A proposed modification or combination of the prior art references cannot change the basic principle under which the primary reference was designed to operate.**

If a “proposed modification or combination of the prior art would change the principle of operation of the prior art invention being modified, then the teachings of the references are not sufficient to render the claims *prima facie* obvious [under 35 U.S.C. § 103]”. *See* MPEP § 2143.01. *See also, In re Ratti*, 270 F.2d 810, 123 USPQ 349 (CCPA 1959). Furthermore, a

suggested combination of references cannot change “the basic principle under which the [primary reference] construction was designed to operate.” *See id* (citing *In Re Ratti* at 813).

- B. Modifying Narin by combining the trusted entity (*i.e.*, the identity servers) with the trusting entity (*i.e.*, the DRM servers) changes the basic principle of operation which requires a one way trust relationship between the two necessarily different servers.**

The Examiner, relying on a combination of servers taught in Tanaka, proposes a modification to Narin, which involves combining the trusting entity and the trusted entity of Narin into a single entity. Specifically, the Examiner suggests combining the DRM servers and identity servers of Narin into “a single server configuration”. *See* Office Action dated January 28, 2008 at page 3. Clearly, a combination of a trusting entity and a trusted entity into a single entity squarely contradicts a trust relationship which requires two necessarily different entities, as discussed in Narin.

Furthermore, a combination of the Corporation A Identity Server (1102) with the Corporation A DRM Server (1106) and a combination of the Corporation B Identity Server (1104) with the Corporation B DRM Server (1108) may result in Corporation A DRM server (1106) components being

trusted by Corporation B identity server (1104) components, which squarely contradicts the teachings of Narin. The teachings of Narin explicitly designate the identity servers as the trusted entity and DRM servers as the trusting entity. Accordingly, a modification which allows components from the identity server to trust components from the DRM server is improper.

C. Narin cannot be modified as proposed by the Examiner to describe independent claim 1.

As discussed above, a proposed modification which changes the principle of operation of the primary reference is improper. *See* MPEP 2143.01. Modifying Narin to describe the claimed invention, requires changing the principle of operation of Narin. Therefore, Narin cannot be modified to teach the claim invention.

Tanaka does not teach what Narin lacks

Tanaka is directed to an electronic credit service for checking a buyer's credit and ensuring payment collection for a seller where different servers may be combined into a single server. A thorough review of Tanaka reveals that Tanaka is completely silent with regards to two servers that exchange certificates for storage into their respective trusted

partner lists, where access by a client to a resource is controlled as a function of a trusted partner list.

In view of the above, independent claim 1 is patentable over Narin in view of Tanaka. Independent claim 12 includes at least some similar limitations to those of claim 1 and is allowable for at least the same reasons as claim 1. Further, claims 2, 3, 13-15, 17-19, 22 and 23 depend directly or indirectly from claims 1 and 12, and are allowable for at least the same reasons. Accordingly, withdrawal of this rejection is requested.

Claims 8 & 11

Independent claim 8 recites, in part,

initiating use of a resource associated with a relying server by a client, wherein an authentication assertion reference is provided by said client to said relying server, and wherein said authentication assertion reference is provided to said client by an issuing server; ...
sending an authentication request comprising a certificate of said relying server to said issuing server;...
sending an authentication assertion, indicating that said client has been authenticated, from said issuing server to said relying server when said certificate is contained in said trusted partner list of said issuing server.

Emphasis added. Claim 8 recites, in part, a method of providing a circle of trust that involves two separate and distinct servers: a relying server and an issuing server. The method specifically requires the relying server to send an authentication request to the

issuing server that includes the certificate of the relying server, and the issuing server to send an authentication assertion to the relying server when the certificate of the relying server is in the trusted partner list of the issuing server.

In contrast, Narin teaches a process for issuing a license in which a “DRM server [that] determines whether the identity certificate was issued by a[n] identity server in the trusted domain ([0117])...if the identity certificate is in the trusted domain, a license is granted to the requestor.” *See* Office Action dated January 28, 2008 at pages 5 and 6; *see* also, Narin at paragraph [0117] and Figure 5A. More specifically, Narin discloses that identity certificates are issued by identity servers. *See e.g.*, Narin at Fig. 10. Narin further discloses that when a user wants a license to access content, the user sends an identity certificate to a DRM server to request the license. *See e.g.*, Narin at paragraphs [0057], [0117] and Figure 5A. The DRM server then determines if the identity certificate is in its set of trusted certificates. *See e.g.*, Narin at paragraphs [0063] and Figure 5A. If the identity certificate is in the DRM server’s set of trusted certificates, the DRM server then issues the requested license to the user. *See e.g.*, Narin at paragraphs [0064] and Figure 5A. At no point in this license issue process does the DRM server interact with the server that issued the identity certificate, *i.e.*, the identity server. Furthermore, as discussed above in the rejection of independent claim 1, the DRM server and the identity server of Narin cannot be combined into a single server as suggested by the Examiner. Accordingly, Narin cannot possibly be read to disclose a method in which a relying server sends an authentication

request to an issuing server that includes the certificate of the relying server, and the issuing server sends an authentication assertion to the relying server when the certificate of the relying server is in the trusted partner list of the issuing server as required by claim 8.

Tanaka does not teach what Narin lacks. As discussed above, Tanaka is directed to an electronic credit service for checking a buyer's credit and ensuring payment collection for a seller. A thorough review of Tanaka reveals that Tanaka is completely silent with regards to a circle of trust that involves two separate and distinct servers: a relying server and an issuing server.

In view of the above, independent claim 8 is patentable over Narin in view of Tanaka. Further, claim 11 depends directly from claim 8, and is allowable for at least the same reasons. Accordingly, withdrawal of this rejection is requested.

Conclusion

Applicants believe this reply is fully responsive to all outstanding issues and places this application in condition for allowance. If this belief is incorrect, or other issues arise, the Examiner is encouraged to contact the undersigned or his associates at the telephone number listed below. Please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 03226/503001; P8951)

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Respectfully submitted,

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